Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: MUDDY FORK
Water Body Identification #: 39'1
Completed UAA Checklist: Pre-Field Preparatory Data Sheet Maps with actual survey sites marked Data Sheet A Data Sheet B – 3 of 3 pages for each site Number of Sites: Data Sheet C (if applicable) Number of Interviews: Photographs Quantities Upstream Downstream Other
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA is true and accurate. Signed:

<u>Pre-Field Preparatory Data Sheet</u> <u>for Recreational Use Stream Surveys</u>

Water Body Name: (from USGS 7.5' quad)	FORK
8-digit HUC: 10300101	Missouri Water Body Identification (WBID) #: 391
County: Clay and Cliv	Hon
Upstream Legal Description: 39,460	517, -94, 33231
Downstream Legal Description: 39.36	773, -94.34552
Discharger Facility Name(s): HOL	Waste Water Lagoon
Discharger Permit Number(s):	<i></i>
Weather Conditions for Past 7 days:	inny, humid, cloudy, rainy

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

Date: 06/24/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name: MUDDY Fork
WBID #: 391
Upstream Coordinates:
(WGS 84, ddd.ddddd) 39.45335 94.34001 (5ite 872)
Downstream Coordinates: (WGS 84, ddd.ddddd) 39.40872, 94.34588 (5ite 877)
Current Weather Conditions: Hot, sunny, humid
Number of Sites Evaluated:
Name(s) of Surveyor(s): Colin Hill, Carolina Gallardo

Aced M. Hill 6/24

Date: 06/24/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

	(A separate Data	Shee	et B must be completed	I for each site)	
Latitude (ddd.dddd):	39.45317 CG	6/24	39.45335	Arrival Time:	
Longitude (ddd.dddd):	94.34090 C	5 (.)	124 94.34001		09 3 5
Photo Ids: Upstream:		Down	stream:	Other: 0071	
	1079		0078	0072	
arrative Description	of Location: (De	ecrib	aggagg point to stroom no	arby roads, landmarks, etc.)	
~ 400 m ()	5 from 5h	N) 10	k Rd. Bridge	MISS I	,
/ / / / / /	5 110111 21	un,	R Not bridge	crossing	
arrounding Condition	ons*: (Mark all that	prom	ote or impede recreational u	uses. Attach photos of evide	ence or unusual
ms of interest.)		- 	•	F	nee or unusuur
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence		Steep slopes	XOther: Housing	
ıman Uses Observe	d*:			0	
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	None of the above	☐ Other:
				documentation of evidence	,
idence of Human U	se*:				
☐ Roads	☐ Foot paths/pri	nts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
MOther: Housin	g along st	Jai	\sim		
	· ,				
urces of Pollution: (e.g., trash dumping, ti	res, d	rainages, discharges, etc.)		
1, 1071	and 6077		No trispossio	va. sign and	· lences
* 0071	0111010072	1	almos vocis	ig sign and ial" site:	Territory
			along vorigin	Risite.	

Date: 06/24/2006

Data Sheet B - Site Characterization - 2 of 3

	View Physical Dir Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle						
□ Run						
Z Pool	400	6	12		0-4	0.5
Flow	Present?	⊠ No	Velocity (ft/s	ec):		0,2
Downstrea	ım View Physical I	Dimensions:				
· · · · · · · · · · · · · · · · · · ·	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle						
□ Run						
▼ Pool	375	10	8		7.5	0.9
Flow	Present?	ÇΚNο	Velocity (ft/se	ec):		<u> </u>
nstrato*. (Tri					
20 %	These values should ad Cobble 30 %	T	% Sand	1 a 0/ Cil4	0/36 1/01	
	1 30 %	40	70 Sand	10 % Silt	% Mud/Clay	% Bedro
uatic Vege	tation*: (Note amour	nt of vegetation or a	algal growth at the ass	sessment si	te.)	
Mode	rate amounts	5 of alga	e (floating)		
		1)	0	,		
ter Charac	cteristics*: (Mark al	I that apply				
Odor:	☐ Sewage	□ Musky	☐ Chemical	None	T ou	·
Color:	☐ Clear	☐ Green	☐ Gray	Milky		
Bottom Depo			Fine sediments	□ None		
****			Time sediments	i None	☐ Other:	
Surface Depo	osit: 🗆 Oil	Scum	☐ Foam	□ None	☐ Other:	

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

dad Will 6/24

Date: 06/24 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

Sik 872 was relocated because "original" site was inaccessible dul to NOTRESSPASSING sign and fences surrounding stream

Od ar Li 6/24

WBID #_	391	Site #	872
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Date: 06/24 / 2006

Field Data Sheets for Recreational Use Stream Surveys

	(Make addition	Data Sheet C – nal copies as necess	Interviews sary for multiple inter	views)
1. Do you live i	in the area? Volume long have you			
2. Have you per If so, plea	rsonally used thi	is water body for re	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	☐ 1 – 5 times ☐ Less than ————————————————————————————————————	1 time per year – pl	lease describe:	975? □ Yes □ No
	se check ALL t			
☐ Swimming ☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Kayaking	☐ Boating	□ Wading	Rafting
L Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
[rved it being used f 5 times per year per year time per year – pl		
4. Additional Co	omments:			
Contact Informa Name: Address:	tion (if willing	to provide):		

Telephone #:

Red M. His 6/24

Date: <u>b6/24/2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

	(A separate Data	Shee	t B must be completed	for each site)	
Latitude (ddd.dddd): 3				Arrival Time:	
Longitude (ddd.dddd):	94.34090			()935
Photo Ids: Upstream:	···	Downs	stream:	Other: 0071	
00	13		0074	007	00 = 1
Jarrativa Description	of Locations (D.	'1			
Narrative Description なみもの m US	from 5hc	unk	Rd Bridge	CVOSSING	c.)
urrounding Conditio	ns*: (Mark all that 1	oromo	te or impede recreational t	ises. Attach photos of evi	idence or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	χs	teep slopes 0077	\ Other: Housing along stream	
uman Uses Observed	l*:				
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	None of the above	□ Other:
			5, 1	·	ce of recreational uses, etc
vidence of Human Us ☐ Roads	se*: ☐ Foot paths/prin		[D-1/-1 (C		
☐ Rope swings		its	□ Dock/platform	☐ Livestock Watering	
	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
Other: Housing					
urces of Pollution: (e	.g., trash dumping, ti	res, di	ainages, discharges, etc.)		
Discharge,	trash dur	npi	~g 0076		
* 0071	+ 0072		- No tresspa	ssing and	fences.

WBID# 391 Site# 873 4 Date: 06/24/2006 Data Sheet B - Site Characterization - 2 of 3 Stream Morphology: **Upstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) ☐ Riffle □ Run 315 4 X Pool 10 0.5 0.4 Flow X No Present? ☐ Yes Velocity (ft/sec): **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) ☐ Riffle □ Run 300 ▼ Pool 6.5 10 0.7 ☐ Yes Flow Present? Velocity (ft/sec): Substrate*: (These values should add up to 100%.) 30 % Cobble % Gravel 60 % Sand 10 % Silt % Mud/Clay % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) Algal present in moderate amounts

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	□ Musky	☐ Chemical	□ None	*Other: avalrobic
Color:	□ Clear	☐ Green	□ Gray	Milky	☐ Other:
Bottom Deposit:	□ Sludge	□ Solids	Fine sediments	□ None	☐ Other:
Surface Deposit:	□ Oil	Scum	☐ Foam	□ None	☐ Other:

ded (It this

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Date: 06/24 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

Site had to be retocated us from site 874, due to No TRESSPASSING sign and fences surrounding "original" site.

Oced (1) Hill 6/24

Date: 06/24/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live i	n the area?		sary for muniple inter	views)
2. Have you per		is water body for re	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
	☐ 1 – 5 times ☐ Less than ————	5 times per year s per year 1 time per year – p	lease describe:	
If so, plea	se check ALL t	hat apply:	Tor recreation since 1	7/3: 11 1CS 1140
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
[For recreation? ease describe:	
4. Additional Co	omments:			
Contact Informa Name:	tion (if willing	to provide):		

Address:

Telephone #:

Date: 06 / 24 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3
(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): 3			Arrival Time:		
Longitude (ddd.dddd):	94.34124		08	30	
Photo Ids: Upstream:]	Downstream:		- 0069	
006	5	D066	0069		
Narrative Description	of Location: (De	scribe access point to stream, ne	earby roads, landmarks, etc.)		
N 200 m US	5 of HWY	38 bridge crossin	G		
	shank	c Rd	0		
<u> </u>	J. 01111				
urrounding Conditio	ns*: (Mark all that	promote or impede recreational	uses. Attach photos of evide	ence or unusual	
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence	☐ Steep slopes	* Other: HOUSES Next to Stream (or		
luman Uses Observed	l*:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	None of the above	□ Other:	
Describe. (include numb	er of individuals rec	reating, frequency of use, photo	-doćumentation of evidence	of recreational uses, etc.)	
vidence of Human Us				(0069)	
Roads	Foot paths/prin	(s 0070) Dock/platform	☐ Livestock Watering	RV / ATV Tracks	
I — .	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
☐ Rope swings	1 3				
Other: HUSCS		aam (0067), tr	ash in strian	n (0068)	
Other: Houses	ruxt to str		OSh in Strian	(0068)	
Other: Houses	ruxt to str .g., trash dumping, ti	res, drainages, discharges, etc.)	OSh in Strian	n (0068)	

Oced andi

Date: 06/24/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Color:

Bottom Deposit:

Surface Deposit:

☐ Clear

□ Sludge

☐ Oil

	Distance from access point (m)	nensions: Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
□ Run					1) 95 (9
Pool	235	8	35	0.5	0.95
Flow	Present?	No	Velocity (ft/sec):	not measural	
Downstraa	m View Physical I				
Downstrea	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
□ Run					
X Pool	Present? Ut Yes	8	5	0.5	0.62
⊠ Flow	Present? Wat Yes	⊠ No	Velocity (11/sec).	0.5 not mlasur	able.
	1				
istrate*• (1	These values should ad-	d += 1000/)			
ostrate*: (1	These values should ad Cobble 30 % C		nd % S	ilt % Mud/Clay	% Radrock
40 %0	Cobble 30 % C	Gravel 30 % Sa			% Bedrock
식0 % (uatic Veget	cation*: (Note amoun				% Bedrock
식0 % (uatic Veget	Cobble 30 % C	Gravel 30 % Sa			% Bedrock
식0 % (uatic Veget	cation*: (Note amoun	Gravel 30 % Sa			% Bedrock
40 % (uatic Veget	cation*: (Note amoun	Gravel 30 % Sai			% Bedrock

☐ Gray

☐ Foam

Milky

□ None

☐ None

☐ Other:

☐ Other:

☐ Other:

Ded Arishin 6/24

☐ Green

☐ Solids

Scum

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WBID # 391	Site # _	874
Date: 06/24	1 2006	

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated us conditions, problems in measuring, site relocation).	nique local

Date: 06/24 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple in

1. Do you live i		Yes □ No	sary for multiple inter	views)				
2. Have you per If so, plea	2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No If so, please check ALL that apply:							
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
How often do you use it for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe: No Have you observed others using this water body for recreation since 1975? No								
☐ Swimming	se check ALL to	nat apply: SCUBA diving	[Tuking					
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Tubing ☐ Wading	☐ Water skiing				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Rafting ☐ Other:				
How often have you observed it being used for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year – please describe:								
4. Additional Co	omments:							
Contact Informa Name:	tion (if willing	to provide):						

Address:

Telephone #:

Date: 06/24/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data	Shee	t B must be completed	for each site)		
Latitude (ddd.dddd): 3	9.43753			Arrival Time:	V-10-	
Longitude (ddd.dddd):				1025)	
Photo Ids: Upstream:	I	own	stream:	Other: 0080	0086	
00	0084 0085		0061 0082	- '		
Narrative Description	of Location: (De	scribe	access point to stream, ne	arby roads, landmarks, etc.)		
190th struct	bridge cro	55î	ng.			
Surrounding Condition items of interest.)	18*: (Mark all that p	romo	ote or impede recreational u	uses. Attach photos of evide	nce or unusual	
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	<u> </u>	National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence		teep slopes	Other: agricult	X Other: agricultura	
Human Uses Observed	*:)		
	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wading	☐ Rafting	
☐ Hunting	☐ Trapping		☐ Fishing	None of the above	☐ Other:	
	Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)					
Evidence of Human Use			T		1	
Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks	
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	Fishing Tackle (BA17	
Other: Trash		·			(0050,0081,008)	
Sources of Pollution: (e.g	g., trash dumping, ti	es, d	rainages, discharges, etc.)			
Trash (0084						

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VBID#	<u>9 </u> Site#	875				4
	24/2006					4
		Data Sheet B - Si	ite Charac	terization – 2 c	of 3	
tream Mor Upstream	phology: View Physica	l Dimensions:				
	Distance fro	om Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle						
☐ Run						
⊠ Pool	35	16		35	0.55	1.1
Flow	Present?] Yes 🕅 No	Ve	locity (ft/sec):		
Downstrea		ical Dimensions:				
	Distance fro access point (Width (r	n)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle						
□ Run						
XPool	20	17	-	120CG	0.45	0.6
Flow	Present?	l Yes □ No	Vel	ocity (ft/sec):		
bstrate*:	(These values sho	uld add up to 100%.)				
l	Cobble Cobble		S() % Sand	10%5	Silt % Mud/Clay	y / / % Bedrock
	4					7 70 70 Bedrock
uatic Vege	tation*: (Note a	amount of vegetation of	or algal growt	h at the assessmen	t site.)	
Floatin	g macroph	ytes (modera	te amou	nts)		
ater Chara	cteristics*: (M	ark all that apply.)				
Odor:	☐ Sewag		☐ Chem	ical 🗆 No	one A Other	analrobic
Color:	☐ Clear	☐ Green	□ Gray	⊠Mi		

☐ Foam

Fine sediments

 \square None

□ None

☐ Other:

☐ Other:

Deed Within 6/27

☐ Sludge

□ Oil

☐ Solids

⊠ Scum

Bottom Deposit:

Surface Deposit:

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WBID#	391	Site #	875
Date: <u>0</u> (6/24/	2006	

Data Sheet B - Site Characterization - 3 of 3

Comments: Please of conditions, problems in	describe any departures from n measuring, site relocation)	m protocol and the reaso.).	ons for departure (e.g., t	unanticipated unique loc	cal

Date: 06/24/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple in

1. Do you live in the area? □ Yes □ No If so, how long have you lived here?							
2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No If so, please check ALL that apply:							
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:			
How often do you use it for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? No							
If so, plea	se check ALL t	hat apply:	T				
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	□ Boating	□ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:			
How often have you observed it being used for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year – please describe:							
4. Additional Comments:							
Contact Informa Name:	tion (if willing	to provide):					

Address:

Telephone #:

CG 6124 WBID# 391 Site# 877 876

Date: 06/24 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

			•	, ,			
	Latitude (ddd.dddd): 39 40872				Arrival Time:		
Longitude (ddd.dddd): 6	7 4.34588			1115)		
Photo Ids: Upstream:	I	Downs	stream:	Other: 0090			
00	89		0086	0091			
Narrative Description	of Location: (De	scribe	access point to stream, nea	arby roads, landmarks, etc.)			
at 178th on Bishop R	at 178th street bridge crossing. Bishop Rd						
Surrounding Condition items of interest.)	ns*: (Mark all that p	oromo	te or impede recreational u	ses. Attach photos of evide	nce or unusual		
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks	State parks		☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	☐ Fence	□s	teep slopes	☐ Other:			
Human Uses Observed	*:						
	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	☐ Rafting		
☐ Hunting	□ Trapping		☐ Fishing	None of the above	☐ Other:		
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)							
Evidence of Human Use	e*:	 					
Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks		
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle		
Other: TVUSh	in stream	ar	nd along bani	ks (0090 +009	1)		
Sources of Pollution: (e.	g., trash dumping, ti	res, dr	rainages, discharges, etc.)				
Trash dum							

Dad Chill 6/24

WBID# 391 Site# 874 876

Date: 06/24/2006

Data Sheet B - Site Characterization - 2 of 3

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m
☐ Riffle						
□ Run						
⊠ Pool	20	5	15		0.3	0.4
Flow	Present? ☐ Yes	No No	Velocity (ft/se	ec):		
Downstrea:	m View Physical I) imensions:				
	Distance from access point (m)	Width (m)	Length (r	n) .	Avg. Depth (m)	Max Depth (m
□ Riffle						
□ Run						
⊠ Pool	30	3	30		0.2	0.3
Flow	Present?	X No	Velocity (ft/se	c):		
JEC 110W				,		
/				7	-A	
ostrate*: (T	These values should add					
ostrate*: (T			Sand	% Silt	% Mud/Clay	% Bedro
ostrate*: (7	These values should add Cobble 70 % C	Gravel 70 %		<u>}</u>		% Bedro
ostrate*: (7 10 % (9) uatic Veget	These values should add Cobble 70 % C	t of vegetation or algal		<u>}</u>		% Bedro
ostrate*: (7 10 % (9) uatic Veget	These values should add Cobble ZD % C	t of vegetation or algal		<u>}</u>		% Bedro
pstrate*: (7) % (9) watic Veget	These values should add Cobble ZD % C tation*: (Note amoun	tof vegetation or algal that apply.)	growth at the ass	essment site)	% Bedro
ostrate*: (10 % (1	These values should addition*: (Note amount terristics*: (Mark all Sewage	that apply.) Gravel 70 % Musky Green Green	growth at the ass	essment site	□ Other:	% Bedro

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

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WBID# 391 Site# 877 876

Date: 06/24

2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	-

WBID # 391 Site # 377 874

Date: 06/24 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

 Do you live in the area? ☐ Yes ☐ No If so, how long have you lived here? 							
2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No If so, please check ALL that apply:							
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:			
3. Have you obs	☐ 1 – 5 time. ☐ Less than ————————————————————————————————————	5 times per year s per year 1 time per year – pl	lease describe: for recreation since 1	975? □ Yes □ No			
☐ Swimming	ise check ALL t						
☐ Wind surfing	☐ Skin diving ☐ Kayaking	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Hunting	☐ Trapping	☐ Boating ☐ Fishing	□ Wading	Rafting			
Hunting							
4. Additional Co	omments:						
Contact Informa	tion (if willing	to provide):					

Address:

Telephone #:

WBID# 391 Site# 876 877

Date: 06/24/2006

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Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd):	39.38427	Arrival Time:	Arrival Time:		
Longitude (ddd.dddd):	94.34-511	1143	1143		
Photo Ids: Upstream:		Downstream:	Other:		
	0092	0093	0094		
arrative Descrintion	of Location: (De	gariba aggaga maint to at	, nearby roads, landmarks, etc.)		
at Raymo	nd Rd hn	age crossing	, nearby roads, landmarks, etc.)	
				-	
rrounding Conditions of interest.)	ns*: (Mark all that	promote or impede recreation	al uses. Attach photos of evide	ence or unusual	
☐ City/county parks	☐ Playgrounds	☐ MDC conservation land	s 🗆 Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign ☐ Fence ☐ Steep		☐ Steep slopes	☐ Other:		
uman Uses Observed	!*:				
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	None of the above	□ Other:	
·		or ass, pin	oto-documentation of evidence	of recreational uses, etc	
idence of Human Us					
Roads	☐ Foot paths/prin	ts Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks	
☐ Rope swings			☐ NPDES Discharge	☐ Fishing Tackle	
Other: trash a	lumping-(oc	94)			
			···		
	g., trash dumping, ti	res, drainages, discharges. etc	:.)		
		res, drainages, discharges, etc	2.)		

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				4/24	l
WBID	#	391	_ Site #	276	877
Date: _	06/	24/	2006		

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

Distance from access point (m)

Riffle

Run

Run

Neg. Depth (m)

Max Depth (m)

Max Depth (m)

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
□ Run					
X Pool	20	7.5	20	0.5	D.7-
▼ Flow	Present?	½ No	Velocity (ft/sec):		

Substrate*: (These values should add up to 100%.)

			r			
	40 % Cobble	. 0/ 0 1			r	
- 1	4() % Cobble	% Gravel	30 % Sand	% Silt	0/ 1/6-1/01	
			.JU /0 Band	/0 SIII	% Mud/Clay	≫ % Bedrock
						J J TO DUMOUR

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

NA

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	□ None	Other:
Color:	□ Clear	☐ Green	☐ Gray	Milky	☐ Other:
Bottom Deposit:	□ Sludge	☐ Solids	Fine sediments	□ None	☐ Other:
Surface Deposit:	□ Oil	Scum	☐ Foam	□ None	☐ Other:

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

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WBID# 391 Site# 276 877

Date: 06/24/2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please conditions, problems	e describe any departure in measuring, site reloca	s from protocol and the ation).	e reasons for departure	(e.g., unanticipated unio	que local

\times \frac{\(\lambda \) \(\lambda \) \(

Telephone #:

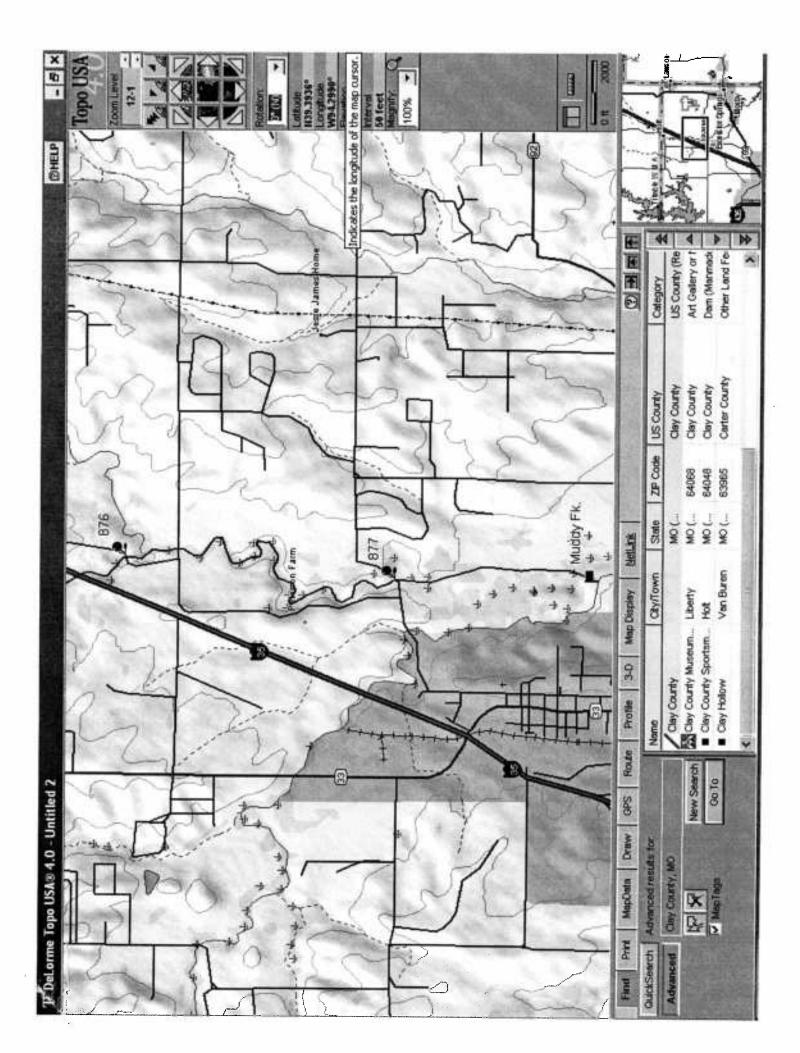
Field Data Sheets for Recreational Use Stream Surveys

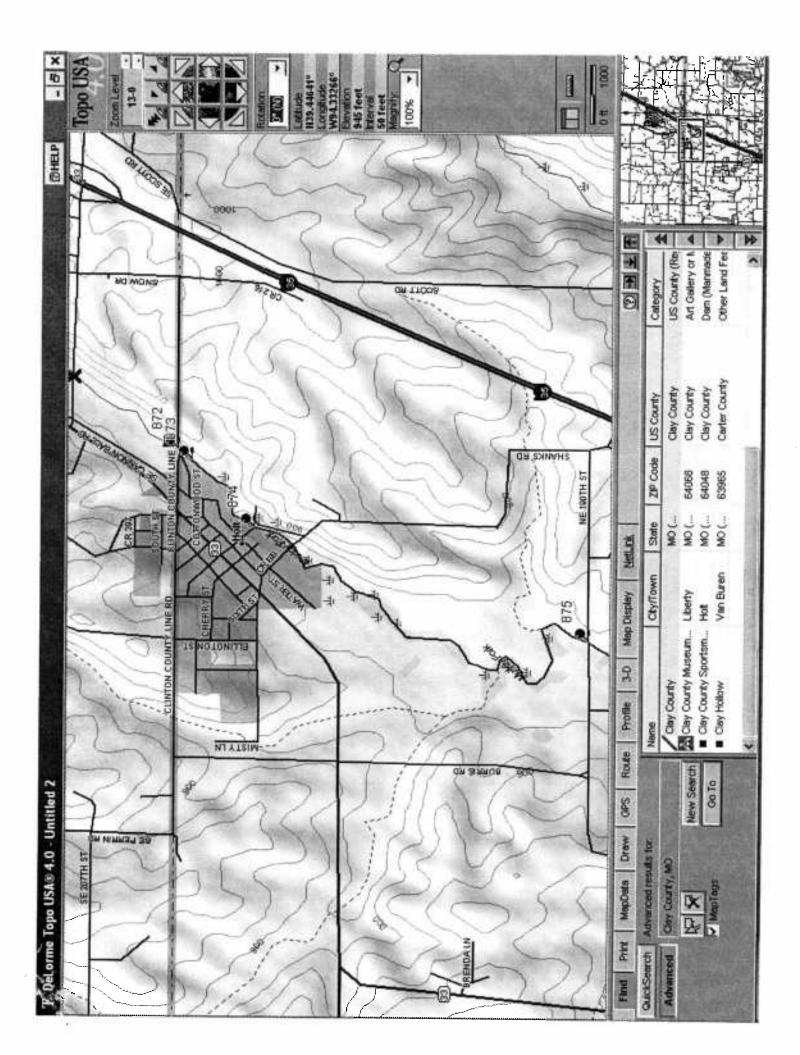
Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

 Do you live in the area? ☐ Yes ☐ No If so, how long have you lived here? 							
2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No If so, please check ALL that apply:							
☐ Swimming	nming						
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:			
How often do you use it for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe:							
3. Have you obs	served others using the check ALL to	ng this water body hat apply:	for recreation since 1	975? □ Yes □ No			
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	□ Other:			
How often have you observed it being used for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe:							
4. Additional Comments:							
Contact Information (if willing to provide): Name: Address:							

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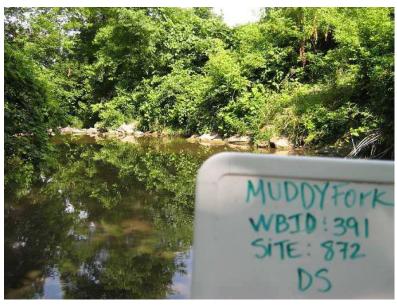




Site# 872 Photo ID# 0079, Upstream



Site# 872 Photo ID# 0071, sign



Site# 872 Photo ID# 0078, Downstream



Site# 872 Photo ID# 0072, Fencing



Site# 873 Photo ID# 0073, Upstream



Site# 873 Photo ID# 0075, Pipe discharge



Site# 873 Photo ID# 0074, Downstream



Site# 873 Photo ID# 0076, Trash



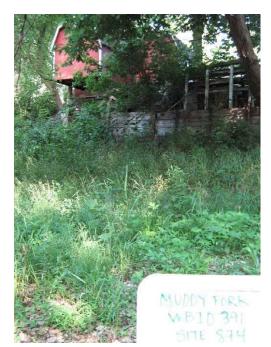
Site# 873 Photo ID# 0077, Steep slope



Site# 874 Photo ID# 0066, Downstream



Site# 874 Photo ID# 0065, Upstream



Site# 874 Photo ID# 0067, House



Site# 874 Photo ID# 0068, Trash



Site# 874 Photo ID# 0070, Foot path



Site# 874 Photo ID# 0069, ATV tracks



Site# 875 Photo ID# 0084, Upstream



Site# 875 Photo ID# 0085, Downstream



Site# 875 Photo ID# 0081, Fishing bait



Site# 875 Photo ID# 0080, Fishing bait



Site# 875 Photo ID# 0082, Fishing bait



Site# 875 Photo ID# 0086, Trash



Site# 876 Photo ID# 0088, Downstream



Site# 876 Photo ID# 0089, Upstream



Site# 876 Photo ID# 0090, Trash



Site# 876 Photo ID# 0091,



Site# 877 Photo ID# 0093, Downstream



Site# 877 Photo ID# 0092, Upstream



Site# 877 Photo ID# 0094,